

What is Claimed is:

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1. A method of deploying content to client applications, comprising:
accepting inbound messages from a client application running on a client device
via a proxy IP/port;
5 packaging the inbound messages into an internal message format with an HTTP
redirector;
forwarding the packaged message to a back-end server;
receiving a response from a web server;
packaging the response into the internal message format with the back-end server;
10 forwarding the response to the HTTP redirector; and
transferring the response to the client application running on the client device via
the proxy IP/port.
 2. The method according to claim 1, wherein the HTTP redirector sits on top of a
15 library of mobile services.
 3. The method according to claim 2 wherein the HTTP redirector accesses the
library in order to obtain information about a wireless protocol supported by the client
device.
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 4. The method according to claim 1 wherein the HTTP redirector acts as a client-
side proxy.
 5. The method according to claim 1, wherein the HTTP redirector provides
25 compression of the inbound packaged message.
 6. The method according to claim 1, wherein the HTTP redirector provides
decompression of the response
 - 30 7. The method according to claim 1, wherein the HTTP redirector unpacks the
packaged response.

8. A method of deploying content to client applications, comprising:
 - accepting inbound messages from a client application running on a client device via a proxy IP/port;
 - accessing a HTTP redirector acting as a client-side proxy;
 - packaging the inbound messages into an internal message format with the HTTP redirector; and
 - forwarding the packaged message to a back-end server via a message router.

9. The method according to claim 8, further comprising:
receiving a response from a Web server;
packaging the response into the internal message format by the back-end server;
and
forwarding the packaged response to the HTTP Redirector via a message router
and a protocol gateway.

10. The method according to claim 9, further comprising:
unpacking the packaged response by the HTTP redirector; and
transferring the unpacked response to the client application running on the client
device via the proxy IP/port.

11. A method of deploying content to client applications, comprising:
receiving data from a Web server;
packaging the data in an internal message format by a back-end server;
forwarding the data to an HTTP redirector via a message router; and
transferring the data to a client application running on a client device via a proxy
IP/port.

12. The method according to claim 11, further comprising unpacking the data by the HTTP redirector.

13. A wireless device for communicating with a server via a wireless network,
comprising:
a browser generating a request;
a proxy IP/port; and
5 a redirector receiving the request via the proxy IP/port and packaging the request
with a protocol used by the wireless network.

14. The device according to claim 13, further comprising a library of mobile services
underneath the redirector.

15. The device according to claim 13 wherein the request is an HTTP request.

16. The device according to claim 13 wherein the redirector acts as a client side
proxy.

17. A method of communicating HTTP requests over a wireless network, comprising:
sending an HTTP request from a web browser on a wireless device;
intercepting the HTTP request with a redirector;
packaging the HTTP request into a message format used by the wireless network
20 with the redirector;
sending the packaged request over the wireless network to a proxy server; and
fulfilling the request from the proxy server.

18. The method according to claim 17, further comprising:
25 unpacking the request and sending the request to an appropriate web server with
the proxy server.

19. A method of communicating HTTP requests over a wireless network, comprising:
sending an HTTP request from a proxy server to an appropriate web server;
30 receiving a response to the request;
packaging the response into a message format used by the wireless network;

sending the packaged response to a redirector;
unpacking the packaged response with redirector; and
providing the response to a web browser.

- 5 20. A method for spontaneously sending a data to a wireless device, comprising:
sending a message and a client ID to a message router;
looking up the client ID in a database to associate the client ID with a wireless
device;
determining a communication type for the wireless device;
10 sending the message to a protocol gateway based on the content type specific
form;
transforming the message into an appropriate format with the protocol gateway;
and
forwarding the transformed message to the wireless device.

15 21. A method of deploying content from one of a plurality of servers, through a
message router and over a wireless network to a client application, which is running on
one or more of a plurality of client devices, comprising:

- 20 creating, with a redirector at the client device, an inbound message
including a message key;
sending the inbound message from the client device;
accepting the inbound message at the message router;
forwarding the inbound message to a selected one of the plurality of
25 servers based on the message key.

- 30 22. The method of claim 21 further comprising:
generating an HTTP request at the client device; and
capturing the HTTP request with the redirector, whereby the inbound message is
created based on the HTTP request.

23. The method according to claim 22 wherein the inbound message is formed in a format used by the wireless network.

24. The method according to claim 22, further comprising the steps of:

5 in the selected one of the plurality of servers, generating a responsive message;
message;
sending the responsive message from the selected one of the plurality of servers to the message router;
providing a plurality of protocol gateways, each of which is based on a
10 communication type;
in the message router,
selecting one of the plurality of protocol gateways; and
forwarding the responsive message to the selected one of the plurality of protocol gateways;
15 formatting the responsive message for a selected one of the plurality of client devices; and
forwarding the formatted responsive message to the redirector on the selected one of the plurality of client devices.

20 25. The method of claim 24 wherein the server communicates with a third party server to generate the responsive message.

26. The method of claim 24 wherein the redirector reformats the responsive message for a web browser.

27. A computer useable information storage medium storing computer readable program code for causing a computer to perform the steps of:

accepting inbound messages from a client application running on a client device;
packaging the inbound messages into an internal message format with a
30 redirector;
forwarding the packaged message to a back-end server;

receiving a response from a web server;
packaging the response into the internal message format with the back-end server;
forwarding the response to the redirector; and
transferring the response to the client application running on the client device.

28. The computer useable information storage medium of claim 27 wherein the redirector communicates with the client application via a proxy IP/port.

29. A messaging system, comprising:

a client device having:

a web browser;

a redirector communicating with the web browser and packaging messages from the web browser in a fundamental network protocol;

a server;

a plurality of wireless networks, each of which is adapted to:

communicate messages between the client device and the server;

and

support one or more wireless network protocols;

a protocol gateway encapsulating the fundamental network protocol,

which underlies each of the one or more wireless network protocols; and

means for communicating messages between the web browser and the server, over a selected wireless network protocol through the protocol gateway, independent of the selected wireless network protocol.

30. The messaging system according to claim 29 wherein the server is an HTTP proxy server, which is adapted to receive a plurality of HTTP requests from the client device, send each the request over the Internet to the server, and transmit a response corresponding thereto from the server to the client device.

31. The messaging system according to claim 29, wherein the HTTP proxy server is adapted to support one or more HTTP protocols.

